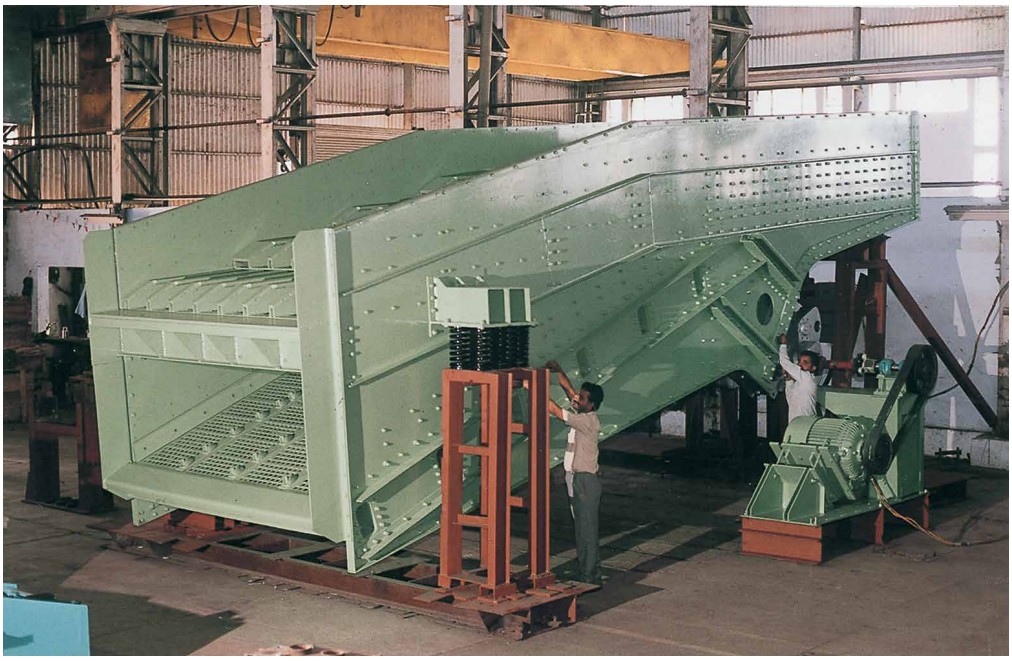
International Combustion (India) Limited

VIBRATING GRIZZLY SCREEN FEEDERS

for sizing, grading and separation of various raw materials



A wide range of Vibrating Grizzly Screen Feeders are available to suit almost any scalping operation - particularly for handling difficult and aggressive materials.

- Capacities up to 2500 tonnes per hour.
- Handling single particle lumps up to 2.5 m edge length.
- To withstand high impact loads when installed directly under dump hopper.
- Sizes up to 3.5 m wide and 8.5m long - larger sizes available on request.

Typical Applications

- Include crusher relief operations handling ROM Limestone in Cement Plants, Iron Ore crushing operations, ROM Coal in Coal handling plants, other Mining and Quarrying applications.
- Another major area of application is for screening out trash and tramp material such as high capacity screening of moist Coal in Power Plants - without material blockage.
- Increasing use in Road Building and Civil Construction Projects for screening of Basalt Rock, various types of stones and gravel.



Twin Direct Force Exciter drive mounted below vibrating frame



Grizzly Screen Feeder handling up to 2.0m material lumps

Design and Operation

IC Vibrating Grizzly Screen Feeders are fully floating, linear motion units supported on compression springs, and are driven by highly reliable Direct Force Exciters, through drive motor and cardan shaft coupling. Depending on design, certain models are driven by a pair of unbalance motor exciters.

Deep side plates, connected by huck bolted cross beams, ensure high rigidity. Wear surface is provided with abrasion resistant liners.

Upon request, a separate isolation frame can be provided, for mounting the Grizzly unit, which is also spring floated and fitted with hydraulic shock absorbers to facilitate smooth start/stop without excessive resonance vibrations. Correct adjustment of the Direct Force Exciters provides optimum combination of amplitude and speed to suit each application requirement. Oil bath lubrication ensures trouble-free operation even in hot and dusty atmosphere. DC electrical brake systems are offered as option to prevent occurrence of resonance vibrations during stopping operation of the unit. Electronic Vibration Monitoring System can also be offered for on-line condition monitoring of a Grizzly unit in actual operation.

Technology and Service

IC Grizzly Screen Feeders are made-to-measure solutions which employ the highest level of vibration technology from world renowned leaders in these areas. Each proposal comes with the comprehensive IC range : advising and planning through to assembly, commissioning and customer services.



For coarse separations - unpowered



Model VS 2056 screening stone in construction project

Caps Micrographics

REGISTERED & CORPORATE OFFICE

IC International Combustion (India) Limited

INFINITY BENCHMARK, 11th Floor, Plot-G1, Block-EP & GP, Sector – V, Salt Lake Electronics Complex, Kolkata – 700 091
Ph: (033) 4080 3000, e-mail: info@internationalcombustion.in, Website:www.internationalcombustion.in